Electromagnetic Interference Test Facility

Purpose:

To provide electromagnetic interference (EMI) testing services.

The MSFC Electromagnetic Interference (EMI) Test Facility (METF) is capable of providing both developmental and qualification EMI testing for the Space Shuttle, International Space Station (ISS), payloads and military avionic applications. The equipment and procedures are in place to test to the following specifications:

Specification	Title
MSFC-SPEC-521B	EMC Requirements on Payload Equipment and Subsystems
SL-E-0002	Space Shuttle EMI Interference Characteristics, Requirements for Equipment
SSP 30237	Space Station Electromagnetic Emission and Susceptibility Requirements
SSP 30238	Space Station Electromagnetic Techniques
MIL-STD-461 (partial)	Requirements for the Control of EMI Characteristics of Subsystems and Equipment

The METF currently provides the following electrical power levels:

- 28 V dc – 50 Amps
- 120 V dc – 50 Amps

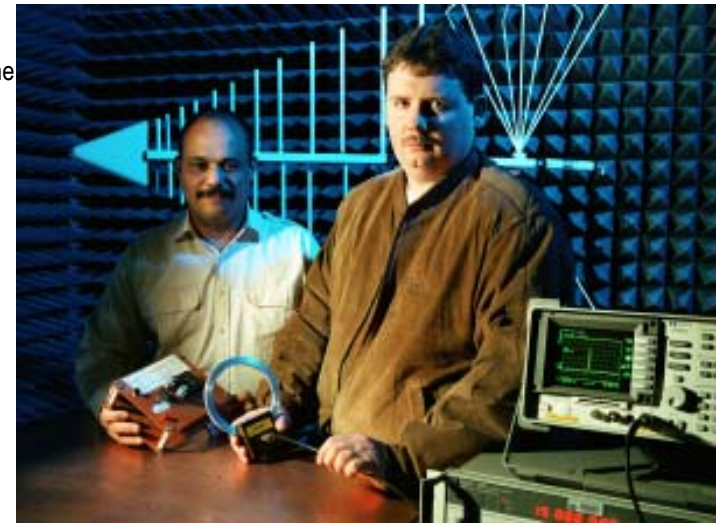
Other power sources may be provided if arrangements are made in advance.

The METF is located in Building 4708. The facility is complete with a support console, customer working area, support equipment area and two semi-anechoic, shielded chambers with the following dimensions:

- 28’ L x 24’ W x 20’ H
- 28’ L x 20’ W x 12’ H

The METF has HP8566B spectrum analyzers (20 Hz- 22 GHz) and Rohde & Schwarz ESI 26 EMI receivers (20 Hz – 20 GHz) for frequency domain emission measurements.

The METF personnel are available to answer questions, provide feedback and help with your EMI testing needs.



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